

Rec'd Oct. 27th
Am Nov 2nd

BOTANIC GARDEN,

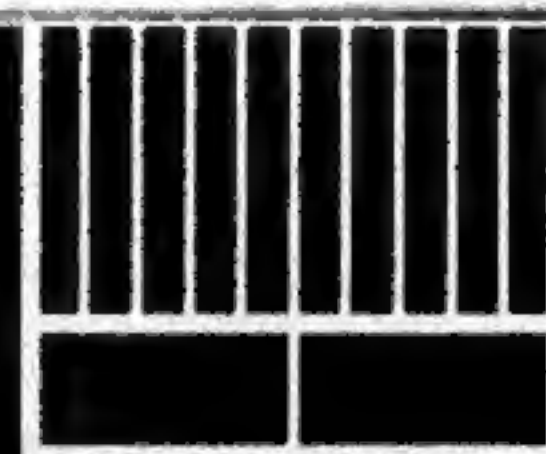
HARVARD UNIVERSITY,

Sargent

Cambridge, Mass. October 21. 1874.

My dear Sir,

Our friend Dr. Gray has turned over
to me your note of the 10th inst. and
I hasten to thank you for the seeds of
A. Concolor, and Inula undulata.
Both most acceptable to us. I have
been flattering myself for the past
two years that we had the former
growing from some of Perry's seed, but
now he writes that he has seen A.
Concolor this year for the 1st time. So
I suppose it must go for grandis.
The Concolor seed must have been
picked too early, as it comes damp
& moldy, but there are, perhaps, a
dozen good seeds in the lot. Your seed



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of Yucca angustifolia are especially
wanted, as are seeds of Y. brevifolia
· Y. Schottii and Y. guatemalensis
if they ever come in your way.

Is there any way in which I can
get a few acorns of each of the
following: ~~from~~ Quercus tridentata,
Q. alba var uncinata, Q. prinus,
& Q. laevis from your part of the
world. I don't know them in cultivation
either here or in Europe, and I want
them for the new Arboretum.

I have no doubt that this garden
& Shreve's could exchange with a
good deal of mutual advantage.
A couple of years ago, I sent
him something with a view to some
thing of the sort, but nothing ever



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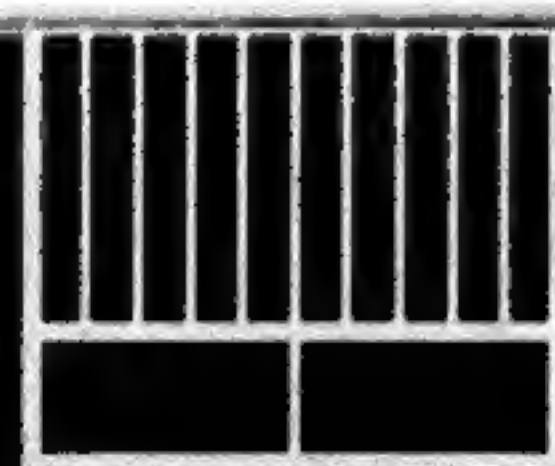
Came of it beyond a note of acknowledgment
in his part. Can nothing be
done with him?

If you have not it, I can send
you some of Larix leptolepis for
your Herbarium. as well as good
seed. if you or any of your friends
care to cultivate this hardy and
interesting Japan form. he a
plant in Mr. Sumner's garden
has sudden died this year.

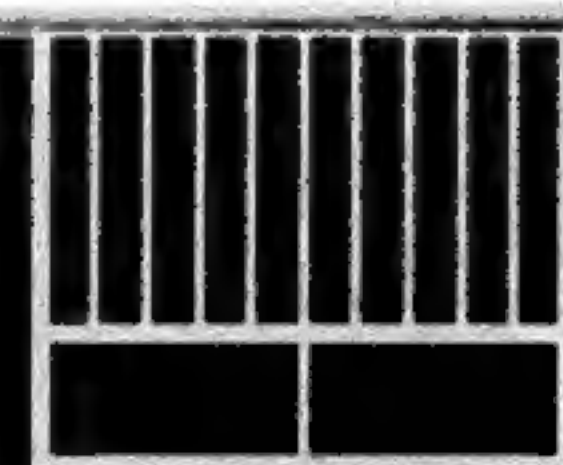
I am sure that if you knew the
confusion that reigns everywhere
in regard to our P. Western Conifers.
You would come to the rescue of all
your cultivators with your notes!

Very truly yours,
A. J. Sargent.

Dr. George Engelmann.



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BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. May 31 1875.

My dear Sir,

I send you by this mail a young
plant of Linum undulatum
with cotyledons still attached.

These are certainly not long petioles
nor do they seem more separated
than those of other species at the
same stage of growth.

The acorns of this species germinate
fairly well here; and I have quite
a number of plants.

Of L. myrsinifolium only one has
come up from the half dozen



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to come for seed.

I Simulata has germinated
pretty enough. and there perhaps
half a dozen plants.

Colours Physalis not up yet.
and not time, as there has been
delay in planting the seeds, but
I will tell you when about them
later.

Yours very truly,

L. J. Sargent.

Dr George Engelmann
St Louis.

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Rec^d Oct 14th

Am Oct 18th

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. October 11 1875.

My dear Sir,

Many thanks for the packet
of corms which arrived to day
in excellent condition.

We have just rec^d from Dunn.

of San Diego. plants & seeds of

two Agaves which he says

are your A. Shawii & A. deserti.

Can you tell if these plants are

known in cultivation under other

names? This is not unlikely

as so many Agaves have been

introduced from Mexico - and



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there is certainly the greatest
confusion in their synonymy.
Some speaks of C. Shensi
being cultivated in Scotland
under the name of Chrysom
Xalapensis, but this is surely
not correct. It looks in a
young state much like Chrysom
Hercholtzii of Belgian gardens.
The Isaetes is all right so
far - but shows no sign of
fecundation yet. Thanks for
the name. Thanks, also, for
your trouble about the Rose
tree. By the way here you are



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Correspondents who could get
seed of Rudbeckia maxima,
or Helianthus maximiliani
for us? If you have, will you
kindly send me with their
addresses, perhaps.

Yours very truly,

C. J. Sargent.

Dr George Engelmann.
St Louis.



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[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]

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Rec Oct 29th

Ans Nov 4

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. *October 25* 1875.

My dear Sir,

I send you by this mail some of
the Isotria. The pan in which it
has been growing has been all summer
in a cool house with a northern
aspect, and the plant has been
treated like Dioscorea Synanemum
or. but has not been kept in, or
under water at any time. Since I
have had it. I think it has rather
failed in health during the past six
weeks. In regard to Dioscorea I want
tell you much beyond the fact that



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his name is G. W. Durin. and that
his address is San Diego. He was
established some years in San
Francisco as a collector for the market
of bulbs and seeds. and that has
been in San Diego for the past two
years doing the same thing.

He evidently has an eye for the
main chance in his botanical transaction.

He only sent me plant of each species
and two or three capsules. and these
unfortunately have been broken up. and
the seed blasted. I was ^{induced} ~~led~~ to do
this by Palmer, who has been in
the same country this summer,
is sending a lot of specimens,



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In cactus plants or among
them more capsules of these agaves.

Yucca he has already sent
photographs. When these come
the cactus shall be sent for.

The seed has germinated & I have
a good supply of both the seeds
coming in.

I take a great interest in both
Agave & Yucca.. and if at
any time seeds of these come
into your hands. I shall be
greatly obliged if you will
share them with me.

In fact I will make this request
general. as I can use such



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of any American plant to advantage
either here, or for European exchanges.
Your two Vats are doing as well
as possible: but in other years
will begin to show their characters
I hope.

Yours very truly,

A. J. Sargent.

The seed of *Rosa setigera*
has not turned up yet.

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Rec Jan 29

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. January 25 1876.

My dear Sir,

The box of plants, and seeds of
Rosa Schimper arrived yesterday
in excellent condition. with perhaps
the exception of the Saxifraga. which
look as if they had been a little
touched by the cold. Many thanks
for your sending, which is most
acceptable. As I have been
especially interested for some years
in the cultivation of Urtica. I shall
be much pleased to get a copy of
your paper on the genus. You include



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Several. which as far as I know
have never been introduced into
Cultivation. and now that thanks
to you we know more about them
I shall hope to get hold of them.
I have got now a large supply
of seedling plants of A. Shourii,
A. Deantii + A. Wherryi.
and can send you some in the Spring
if you want them.

Very yours.

C. S. Sargent.

MISSOURI BOT.
GEORGE ENGELMANN PAPERS

Dr George Engelmann

St Louis



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Rec July 8

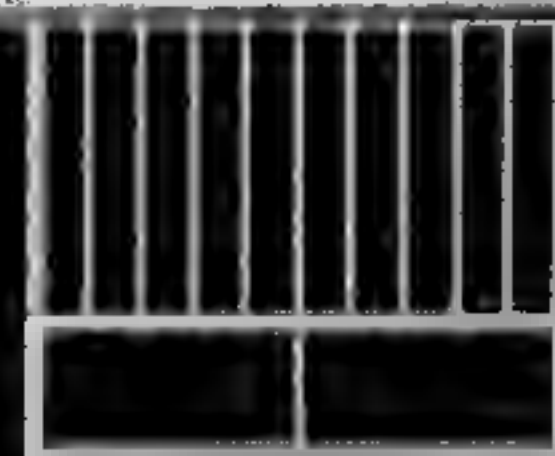
BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. July 5. 1876.

My dear Sir,

I am very much obliged
for your two papers in regard
to Hak. which you have been
kind enough to send to me.
I have duly received.

I am glad to hear that there
is a chance of your coming East
this Summer. & I shall thus
have the pleasure of making
your acquaintance. With thanks,



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You in person for your kindness.

Yours very truly.

A. J. Sargent.

Dr George Engelmann.

St Louis.

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Rec Nov. 6th
a Jan 16
x Nov 9

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. November 2nd 1876.

My dear Dr Engelmann,

I was in West Chester the other
day and went to see the old
Garden of Joshua Wropper and the
so called *L. heterophylla*. there.

Mr Wropper told me that you took
leaves of this tree but could not
find any fruit. I got a few acorns
old & young. which I send to you to
complete your specimen.

I was at Bartons Garden and
got there specimens of the leaves & bark
of the *L. heterophylla*: for you. & I was
not here you say that you were
there. I could find no fruit either old



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or young or under this tree.

I shall send the specimens from this tree until I hear whether you want them or not. As you may have got them yourself.

While in Philadelphia I wish that the horns of L. palustris are, in some cases, striped in the same manner as those of L. illinoensis.

Georgina. As far as I don't remember to have seen striped in the books anywhere.

The scattered black spots puzzle me this year more than ever. and

I am all at sea about them. So

that I don't know with any certainty

define the two extreme ^{forms} ~~points~~. Can't

you give me some tangible characters.



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for the best marked form?

My plant of Agave Guineensis
is showing a flower spike, first
noted yesterday.

Your love plants will be sent soon
in a day or two.

faithfully yours,

C. J. Sargent.

Dr George Engelmann.
St Louis.



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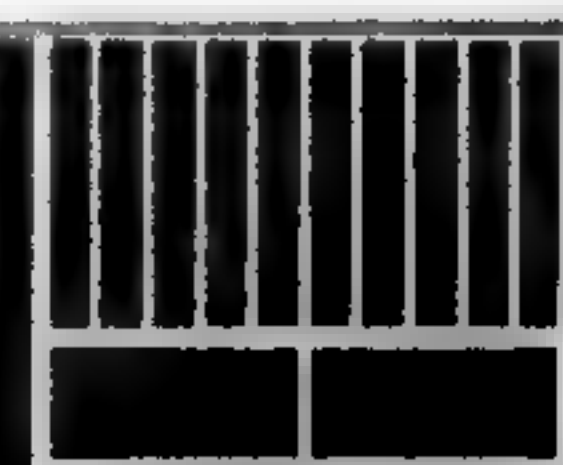
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Rec^d Nov 20th
an Dec 5

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. Nov 15th 1876.

My dear Doctor,

Thanks for the Citrus seeds.

which I shall plant at once, &
watch the results.

I think half a bushel of the Carya
subcordata nuts will be enough. I
should like to have them, but not
in barrel, as you kindly suggest.

Your Junolobus still all right.

Some fine specimens of L. cinereo-Catechaei
have just come from Mellichamp.
Should not I send you a plant in
the Spring for Shaver?

We don't say yet whether or not I am
to send you the foliage from the tree



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at Buttrams. The Agave Stokes
is progressing nicely. is already
nearly four feet high. the growth of 15
days. I have a corn of L. Prunum
acuminata. Come to your house. please
let me have some of them.

Yours very truly.

C. S. Sargent.

Dr. George Engelmann.

St Louis.

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Rec Dec 20th
Ans Jan 2

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. Dec 17 1876.

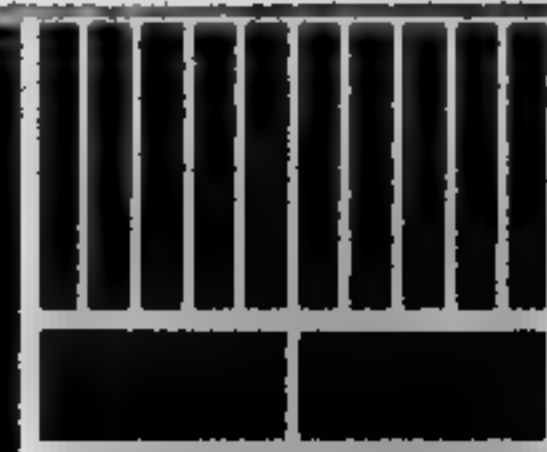
My dear Dr Engelmann.

In spite of the terrible weather,
the plants have arrived in good
condition. Of course they were
somewhat frozen, but not enough,

I think, to injure them. Many
thanks for them & for all the seeds
which are particularly valuable.

Yesterday by mail the little packet
of Citrus came. I should like more
another year. The Citrus seeds are
all kept carefully planted.

I enclose \$10. From it please repay
yourself for any outlay you may have
made in my behalf. I send the
balance to Mr. Egbert. If this is
not as much as I should give him
let me know. I will do the right



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thing. It is too large. to sum,
in your opinion, for the work he has
performed. let him have ~~the~~ the
understanding that I want to encourage
him in his botanical work and
that in other ways. I will give him
more to do. in collecting seeds of
P. nutans, (if he can do it). A corner
several of your western plants that
he wants. But please ask
this to you to arrange with him.
only I want him to be satisfied
pleased. The Ilex berries are
too valuable for winter bouquets.
& they have all gone into the ground.
If you have not heard from Dr Gray
you will be glad to know that
I have a fine son. two weeks old.



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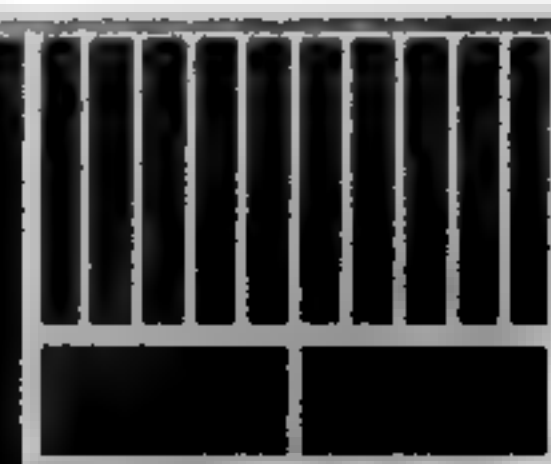
and that Mrs. Sargent is getting
so splendidly.

Pray recall me to Mrs. Engelmann
believing me to be

Yours always.

C. S. Sargent.

Plants of the Japan Ampelopsis
sent by mail recently to Shaw?
to your suggestion. There are plenty
more if you will have them.



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Rec Dec 21st

as seen by P.C.

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. Dec 16 1876.

My dear Dr Engelmann.

Hooker has asked me to
make for the New Museum

a set of specimens of *P. americana*
Pines. Showing on a piece of
the branch: the leaves. clusters of
cones. &c. &c. Farley has been able
to send him from the Centennial
Exhibition nearly a complete set, but
the following are still wanting.

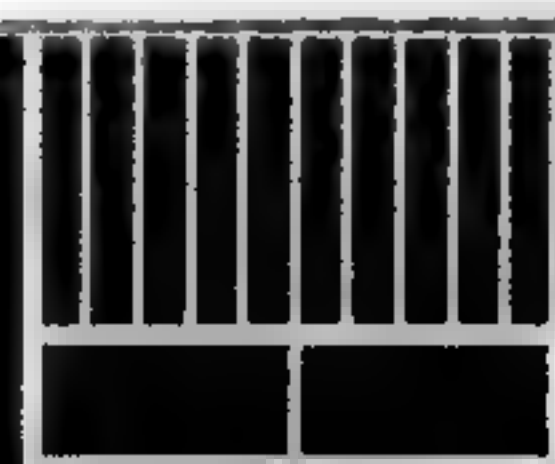
Pinus Coulteri.

" *Jeffreyi*.

" *contorta* var. *latifolia*.

" *Bolanderi*.

I don't remember about the last
whether it is a good specimen or not
that name stands. Does your



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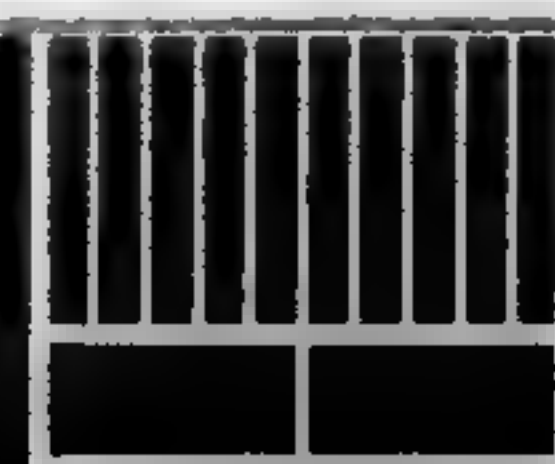
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herbarium possess duplicates enough
to allow you to spare me a set
of the above. I hope enough to supply
what they want. That is specimen
to hang up in the museum. That to
go between Jones & Co.?

If it does. I shall be greatly
obliged if you will send
them on. but you must not
think for a moment of doing any
thing which will leave even the
look of robbing yourself.

P. Striptera is also missing
but I shall write Hillebrand
to look out further for me.

It is terrible weather here
today. Snow. rain & sleet. very



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God... with all those thunder
lightning!! What are we coming to?

faithfully yours,

C. J. Sargent.

Dr. George Engelmann.

St Louis.



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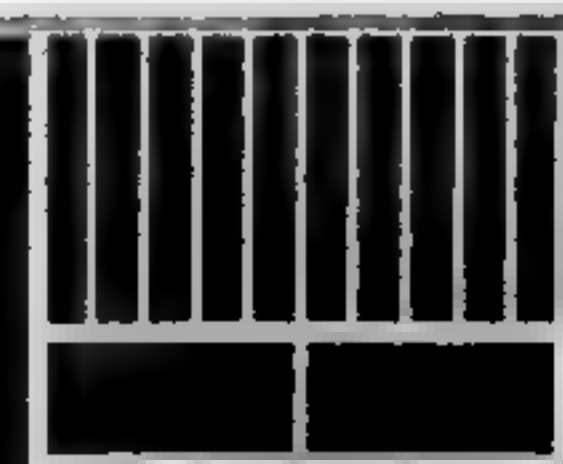
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Rec Jan 15
Ans - 16

January 16th /77.

My dear Dr Engelmann,

I send you this P.M. by mail.
flowers of Agave Jucaepolia. &
the hope that they may reach you
without being frozen. There
are three flowers in the box. 1, 2 &
3 days old. & showing the position
of the style at different times.
In the oldest flower. I cannot
see that the lobes of the style
have opened at all. although
the stigmatic fluid has appeared.
and the style has somewhat
enlarged. & is evidently in condition



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to be acted ~~only~~ by the pollen.
dropping for some of the ^{later} flowers
above.

The honey appears about 8 a.m.
on the day after the opening
of the flower & is very abundant
entirely filling the flower-tube.

Colorless. honey-sweet. & as
~~Sticky~~ ^{Sticky} ~~adherent~~ as maple syrup.
but it much resembles.

Stamens adnate to base of
the lobes.

I have yet to notice the time
when the anthers become effete.
when the style wither & fall
apart. If there are other points



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let me know, as the flowers
will continue to ~~open~~ for an other
week. Thanks for seed of
Celtis. - ~~much~~ ^{very} truly,

In great haste,

Your brother

C. S. Sargent

Dr George Engelmann

St Louis

Let me hear how the
flowers reach you.

send bad,
will do nothing open?
fl. in press? or bud?



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Rec^d Febr 24th
An Mark 7

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. Febr 22 1871

My dear Dr Engelmann.

I send you by mail a small
box containing the specimen I
had according to the enclosed.
No 1 is certainly curious. So I
send me of the scales taken from
the bark. I think I can follow
this species ^{from} the normal smooth
bark up to this scaly bark.
If this holds good with many
specimens. Some change in section
in other arrangements of section
of the genus. will be necessary.
I should like your opinion of this tree.
What you remember we looked
just behind my house.
The other tree for which I send looking
specimen I am clear every one of



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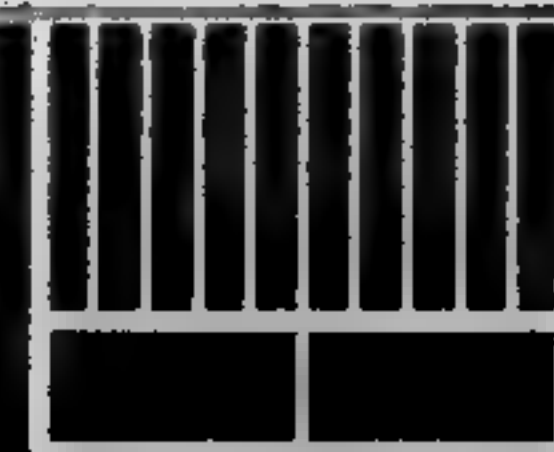
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1878. I send you some buds
specimens of L. bicolor. as I
saw from a ^{slight} difference
between the buds on the Cambridge
tree. and those from the tree near
my gate in Brookline. What
do you think? I wish you would look
at No 10. carefully. The
specimen is from the very fine
large tree at Brookline. which
we took for a European oak.
I now think it is only L. bicolor
in a form of it. Something like
the tree by the gate. I send
there are six or seven of these
trees. all near each other. and
which are all very much alike.



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The buds of the Cornubia tree are
certainly more obtuse than any
in the Brookline trees. I want
to know about the stigma of your
A. Shawii. Does it open in the
same way as you observed in
A. Virginica. and as in Amaryllis
proper. or does it, at maturity,
without opening, become covered
with papillae. as in my Agave
of the 2^d section. If the latter.
when bud in what manner
and the papillae growth
development? Is the stigmatic
fluid ^{copious?} copious?

I am better. but still write
with pain & difficulty.

Sincerely,

C. S. Sargent



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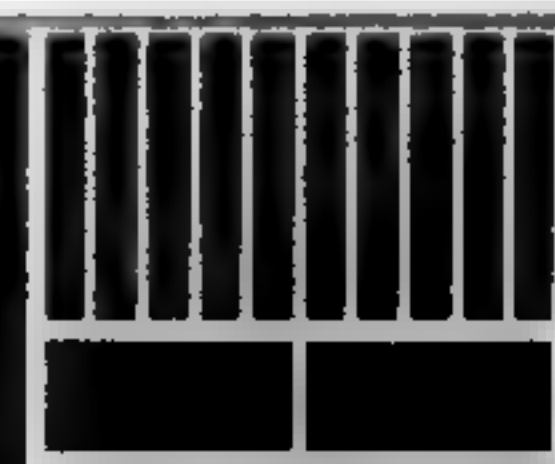
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Recd Feb 28.
Ans March 7

February 25/77.

My dear Dr Engelmann.

I am in looking over my
Botanical specimens with a
view of having some of them bound.

I have the following from you

~~Cast Bot. Vines?~~

per. all papers in Pacific R.P.R.

all in no 1. vol III from St Louis Aug

" " " 1 " " " " "

" " " 2 " " " " "

Notes on some Ferns of the U.S. by
Kunze communicated by Dr G. E.

Monograph of Cuscutaceae

addition & correction of Monograph
of Cuscutaceae.

Synopsis of Cactaceae.

Cambridge 1856



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Paper on *Cereus giganteus*.

Paper on 2 new *Dioclea* species.
1859.

Sketch of the Botany of Martineau's
Expedition. 1848. Correction

Plantae Lundhemmerianae. 182

In. A. Equisetum.

presented by Dr. G. S.

Paper on agave
" " oaks.

~~Yucca~~
Junos

If you have copies to spare of
any others of your botanical
papers. I shall be very much
obliged to you, if you will give
me as full a set as possible.

If there is any St Louis
publisher from whom I can procure
them. I shall be obliged to you.



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were given me her address.
that I may write and order them.
I hope you understand that I
should not have written to you.
had there been any other way
of making up my set and
that I am anxious not to put
you to any expense in the matter.

I sent you the other day some
Tobacco seed sent from Kew.
as being something very fine
thinking ~~it~~ you might like
to give it to some of your
correspondents to try. The sending
of the Hickory seeds has been delayed
but they go at last. I hope you want more
or larger specimens let me know.
Yours very truly, C. S. Sargent -



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Recd March 16th

Ans same day BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. March 13. 1877

My Dear Dr Engelmann,

Many thanks for your drawings
of the stigma of C. Shaveri.

As for the stigma of my agave.

I only noted what I saw.

Section of style

Although I repeat your observation
is such a thing to my own
astonishment. I looked carefully
at the stigmas of various flowers
with the expectation of finding
the lobes open, being prepared
for it by your observation of C.
virginica. Now was the stigmatic



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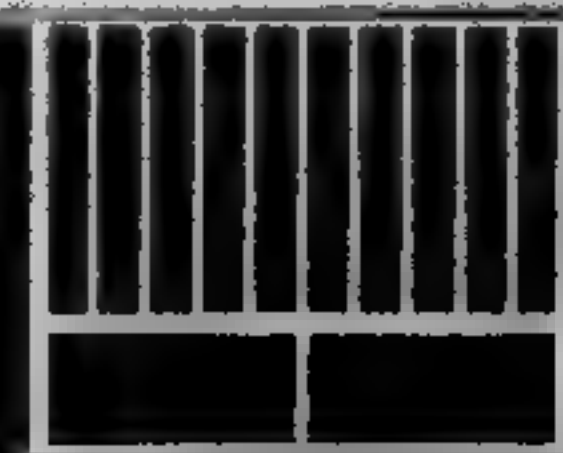
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fluid contained in the cups formed
by the opening lobes. as it would
have been had there been any
opening. but the stoma (as to
think) holds at the end of
the stigma. The fluid secretion
being possibly 2 lines thick.

Doubting the accuracy of my
observation. as it can not lead
me to the result ^{you} ~~you~~ have been
me to expect. I submitted

a *Microtheca stigmatica* to Dr
Gray. who confirms my
observation about the lobes not
opening.

In view of all this I don't think
I'm wrong. and it seems to



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[Mar. 13, 1877]

but that until we examine
the flower of more specimens of
Ostrya. the opening of the lobes
of the Stigma should not
be considered generic.

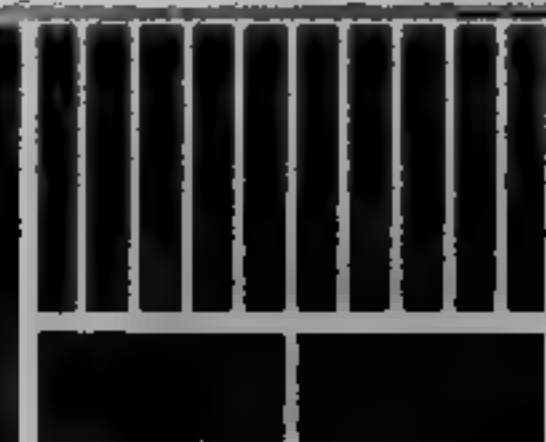
Of course gymnophora is
a stupid mistake of the
proofreader.

I'll send the hickory flower.
What chance is there of getting
them to grow in a fresh state?

There would be better than
when the same. I suppose so.

We had better see flower

of my Quercus bicolor. which
is a common tree. gymnophora



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see by the ~~last~~. I have already
sent.

Your paper on Coitum. & Bot.

1 Mex. Boundary. I have not yet

and my last copy of your paper

to your care for June. It is a

4 Science. Stops at page 458.

is at the end of the 2^d line of J. alpina

Yours sincerely,

C. S. Sargent.

Dr George Engelmann

St Louis

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Rec^d March 26

An April 25

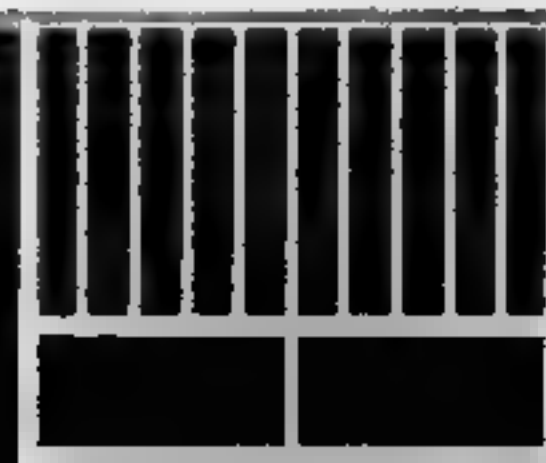
BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. March 22 1877

My dear Dr Engelmann.

I fancy that your theory in regard to the flowers of my *Agave* not having completely developed is the correct one. The weather at the time was very bad and dark, hardly any sun, and snow nearly every day. Temperature in the house low, and as unlike the climate of Mexico as possible. That these conditions were unfavorable is evident from the fact that all the ovaries dropped off in two or three days after the fading of the flowers, even those which I had impregnated artificially. My other



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Agave, which flowered in April
months. set plenty of seed. but
at that time, unfortunately, my
attention was not directed to the
development of the flowers. At times
sections of the style seemed it to be
hollow or were the lobes of the stigma!
Is there no chance of being able
to introduce some of your M. Mexican
species? It is most desirable to do
so. As for the Elm seed I will do it
with pleasure. Who shall I send it
to? I have long wanted a correspondence
with C. Koch on account of his

Herodological attainments, but never
have had the occasion to bring it
about. Shall the seed go to him?

If our Elms are rare in Europe (a thing
which astonishes me) it is because
seeds, which like those of our Elm spread



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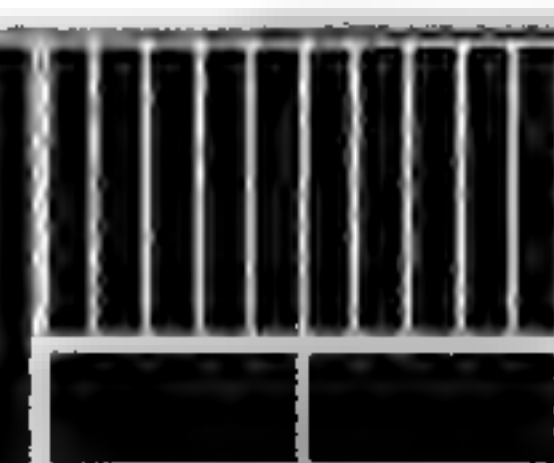


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and White Mistle. when in Early
Summer. travel very badly indeed
and soon loose their power of germination.

The surest way would be to plant the
seed here as soon as we can. and then
in the autumn send the seedlings
on. so it would be about 12 inches
high. and fit to travel. Five dollars
would take over a box containing some
thousand of such plants. from here
to Berlin. If you hear this plan
would be agreeable to them then I'll
attend to it for you. but I wish
leave you to take the initiative in
the matter. such seed and plants
as you consider best. If you collect
Elm seeds. remember I want a supply
for myself of U. alata. & U. fulva.

There is no one in Oregon I know. who
knows Conifers. as is rightly planned for



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A. grandis. Did you ever see in
European gardens the true thing and
have not all the plants under that
name you A. Complanata?

Who will get seeds of A. uvulata's
of Douglas? It is very important
to get hold of them. What a pity
Jensen has come East again! He
would have helped us with the conifers.

I have picked up a perfect copy
of your journal paper. So don't send
it.

Yours truly,

C. S. Sargent

Dr. George Engelmann.

St Louis.

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Rec^d May 16th
an — 17

May 13 1877.

My dear Dr Engelmann.

By mail to day I send boxes

of No 1. I. lobes on pedunculation.

No 2. I. near Cithis. resembling

I. lobes as we supposed last year.

No 3. I. by my gate.

Nos 4 & 5 & 6. I. belonging to the same

group as No 3. and here belongs,

too, I suppose, No 2.

No 7. *Carya porcina* with scaly

bark back of my house.

I have given directions to have



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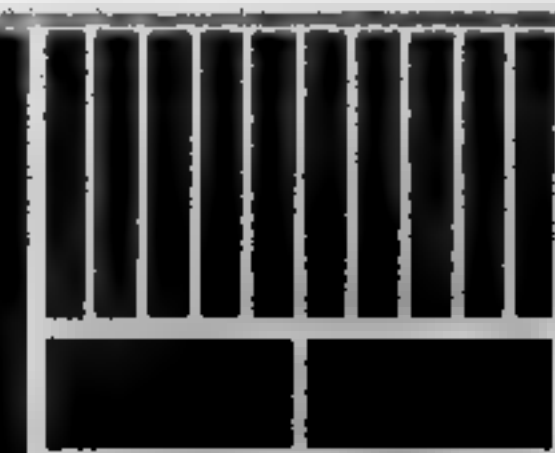


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kind of all the Californian takes
sent you as they develop
and among them I. Emoryi
which is very late.

I fear there is not much hope of
my being able to get fresh
flowers of either Oak or Hickory
to you in a condition to be of any
service. but let me know what
you want me to make these
specimens of for you.

It is like a summer day
here to day. Things are coming
out very fast. I do not think
I have packed they. and don't



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feel very confident of the
Lucas of this Sunday. but
it has been how they work
for.

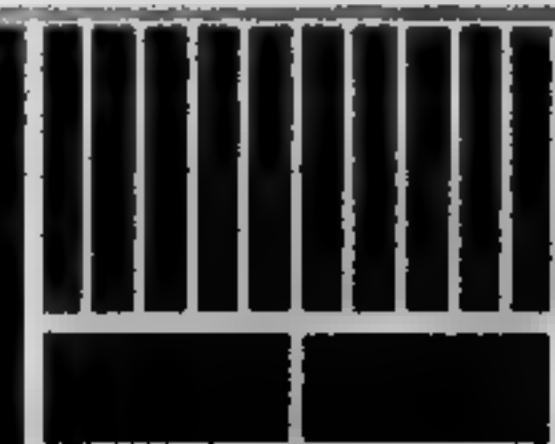
faithfully.

C. S. Fargent.

Dr George Engelmann.

St Louis.

What have you to say about
the supply of seed of *Pinus*
mitis?



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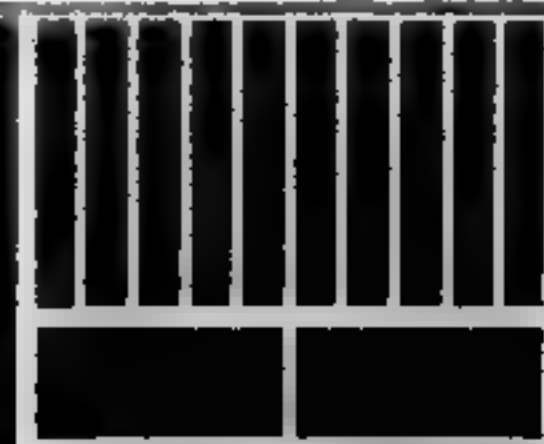
Rec'd June 25 1877
Ans same day

June 22^d

Dear Dr. Engelmann,

I send you to day a bit from
a Spruce which puzzled
me. It is growing in a bed
in which there are several
of the Colomus Alnus Menziesii
and some white Spruce.

I have supposed the plant
was one of the former, until
I noticed its unusual
growth this year. I send



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for comparison a small bit
off of one of the other a

Menziesii. ~~for comparison~~.

You will see how much more
scattered, lighter and sharp
pointed the leaves are, and
the dental plant.

I shall send you three
specimens of the peculiar
bark in a few days, also
a lot of our Cambridge disjuncts
of plants & seeds which I please
hand over to Mr. Egbert
with such instructions as



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may be necessary. You don't
tell me where I had better
look for a supply of seeds
of Pennis setacea. As it should

come from as far north
as possible, that the plant
may be hardy. I get but

one answer to my note on
this subject, in the "Inquirer"

& B. of the Jersey Club. and

that is more than doubtful

me... and I hardly know

what to do in the matter.

If you have a trial of northern



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location: I should be glad to
have them. I suppose you will
be away all summer with
our botanical friends - for
how can you resist such a
temptation?

Here there is no like in
your Forstersia or Ilex
but the two plants of
Calycocarpum are growing
finely... The Gonolobus has
quite grown.

With much love,

C. S. Sargent

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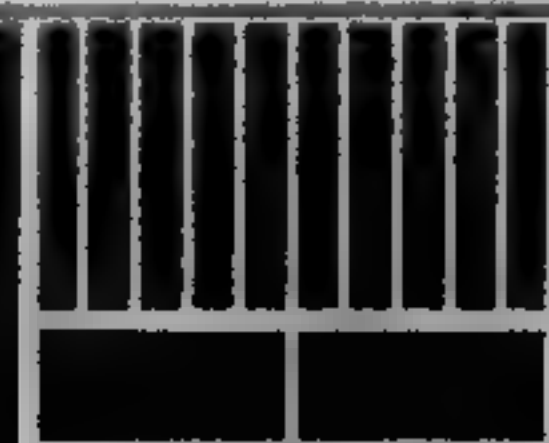
Recd Aug 27
Am - 31/

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. August 24/187)

My dear Dr Engelmann,

Your seed of Forsteria are
all planted. & I am happy to
report five seedlings in the
nursery. They are strong & healthy.
So I don't think Mr Egert
need bother about wild seedlings,
as it is doubtful if they would
grow. Many thanks for
your introduction to Mr
Littleman, to whom I shall
write soon. I will attempt to



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Your putting specimens of
L. bicolor too is due time.

Yes. Your memory is right
on Brooklyn from here the
bank on both stem & branches
"mug & crackers" had not at
all flaking. Do you see any
pedunculate flowers about them.
but that leads to highways
& dangerous ground.

I hope you have impressions on
Ivan. the importance of
getting good ripe fruit of
L. imrayi! We have two
plants of *Agave Zuccaefolia*



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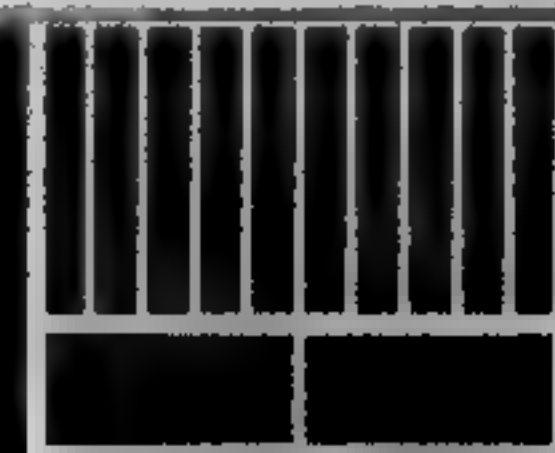
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throwing up tall strong stout
flower stems here. I will send
you some of the flowers later.
You seeds for the Indian
Territory have not come
yet.

Yours sincerely,

C. S. Sargent.

Dr George Engelmann.
St Louis.



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Rec Sept 27
Ans Oct 5

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. Sep. 24. 1873

Dear Dr. Engelmann,

I send pressed flowers of Agave
Yuccae folia as you desired also
a drawing. What Mrs. Sargent
^{made} has more, which I fear, be of
much use to you - As you know
these things don't press well. but
you will I hope be able to make
out the position of the stamens.
In the case of my plant of this
species, which flowered under glass,
last January, the tube of the corolla
was entirely filled with the honey ex
cretion, and this secretion remained
continued until after the flower



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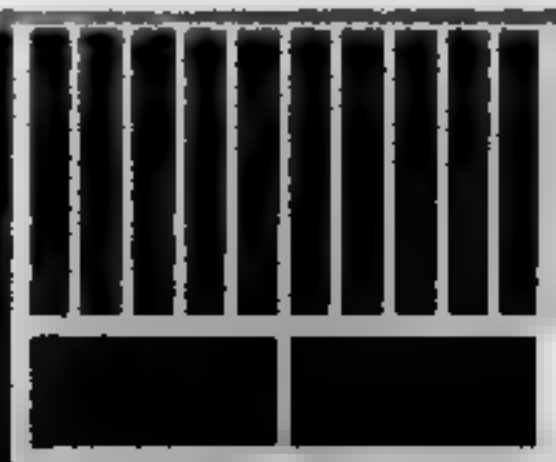
had completely withered. In ^{fact} it
was the most copious secretion of the
but I have even noticed in my flower
bottom in the Core of the two plants
here. flowering in the open air.
there has not been any sign

of flowers in the perigone.

In consequence the flowers here
have visited by very few insects.
I have taken only a rare honey-
bee. about the spikes, but they soon
left in disgust. The worms

are swelling slightly. all dropped
off. three or four days after the
withering of the style. What have
you got to say to this?

The lobes of the stigma opened slightly.



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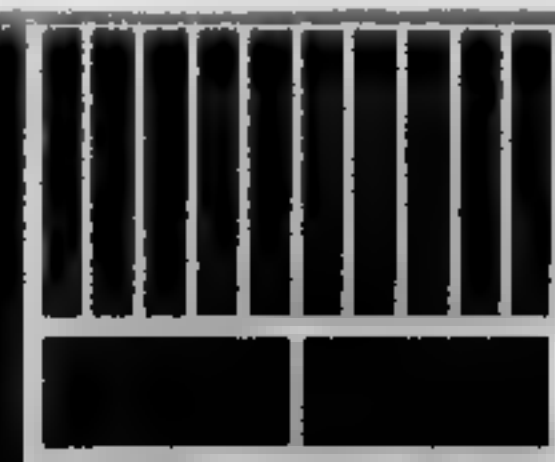
in that manner for the development
of the flower on my plant. but the
stigmatic flower was much less
copious in this case. than in my
plant -

Letterman

I have been a note for Leggett
about Januaries. but I have not
heard again. I wish you would
urge on him the importance of his
getting the Purpus in the seas.

Now that other correspondents have
failed. I depend on him. & I am
perfectly willing to make it worth
his while to do this work.

I hear nothing from you or from
Germany about the Sussling Elm.
It is time I should know also.
If anything is to be done



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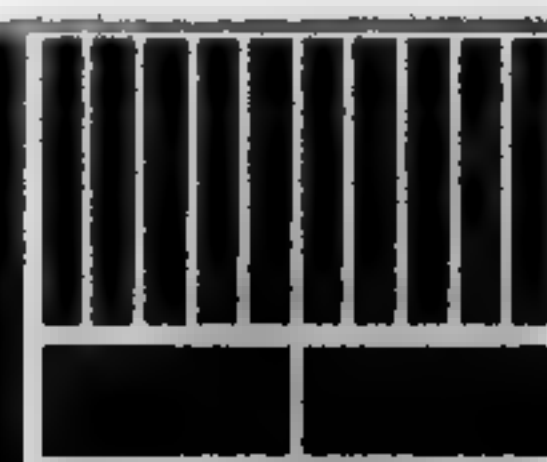
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this year. Just one of the seeds of
either U. racemosa or U. fulva.
You sent germination, but I have a
few seedlings for seed sent from
Beard of Michigan. Can you give
me the name of any intelligent wood
worker or carriage maker in St. Louis
who could give me some details
about the economic value of U. racemosa
in comparison with the common Elm,
or the tree? If you can I will write
to him. Can you give me the name
of the plant of S. California which we
have called Emorya ^{of} ~~subsp.~~ ^{subsp.} I
sent you seedlings in the Spring.
Also the name of the box No 29 of
Palmer's collection to S. California is
1175. I greatly oblige you very
C. S. Sargent.



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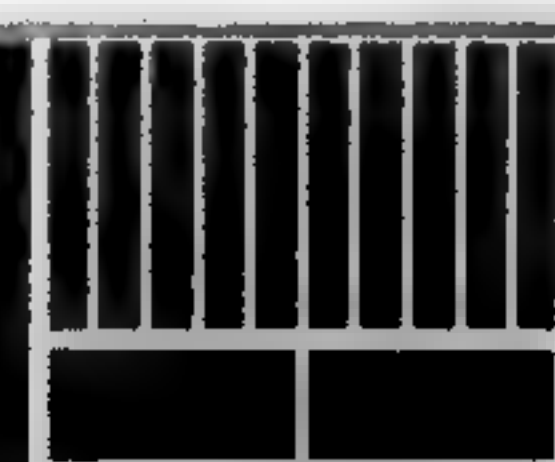
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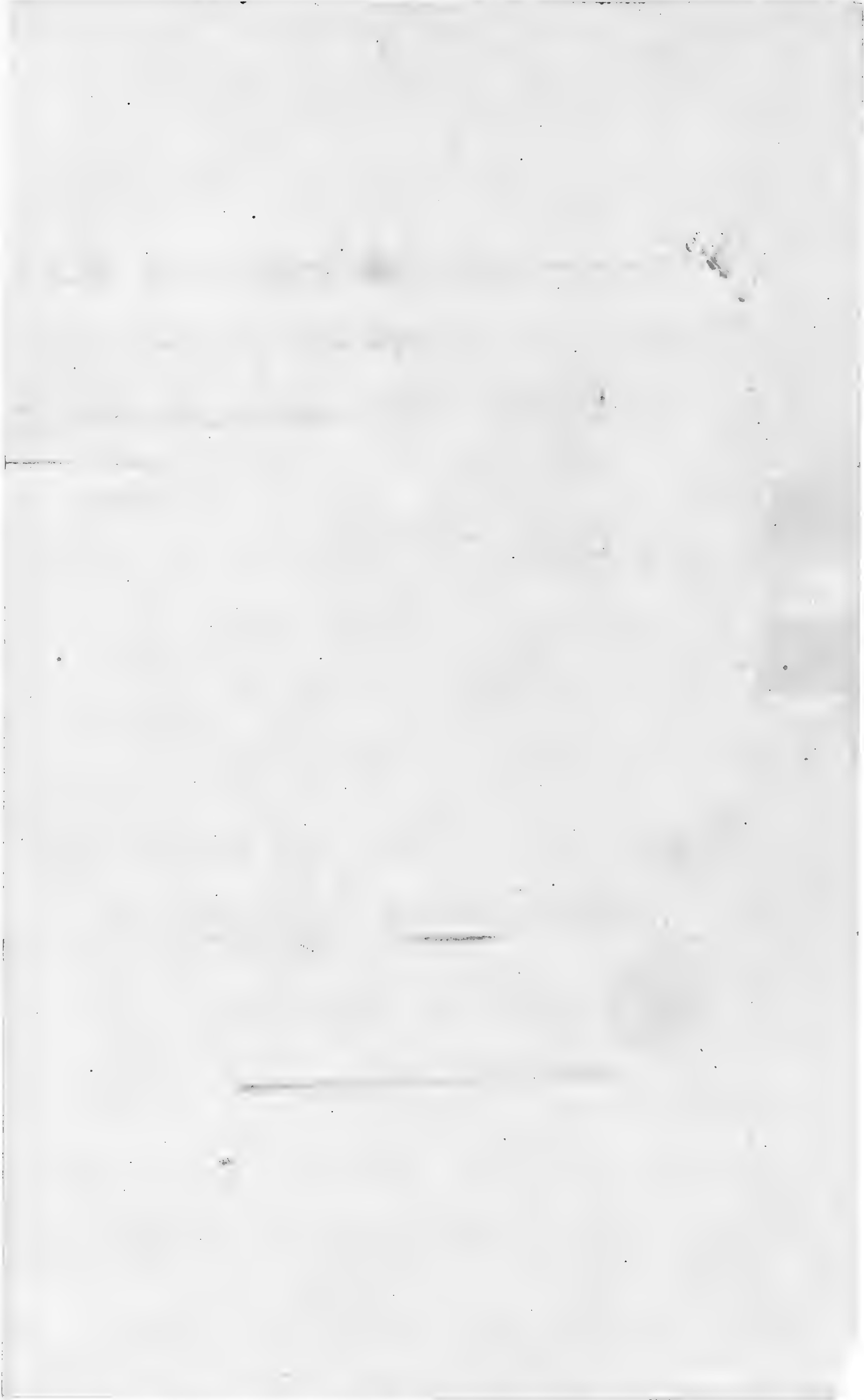
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- No. 1. *Carya porcina* with scaly bark. Brooklyn
 No 2. " " typical form. "
 No 3. " " intermediat^o between Nos 1 & 2.
 No 4. " tomentosa.
 No 5. " alba. Brooklyn.
 No 6. " " Cambridge.
 No 7. *Quercus bicolor* Cambridge.
 No 8. " " at my gate.
 No 9. " " near last and similar
 to it.
 No 10. " at Brooklyn near *Alnus*.
 No 11. *A. Hudsonica* Brooklyn.
~~with very scaly bark.~~





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Rec^d *Octob 4*
Ans — 5

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. *October 1877*

Dear Dr Engelmann.

I have been in Maine ~~on~~ purpose
to investigate the late mode
of growth of *Pinus resinosa*.

You say in Gray's Manual

"Cones deciduous after shedding the
seed" — I find in every case

the cones which shed their seed
last autumn still persist to
the branches. I also found one
branch with the cones of 1877, 1878

1875 & 1874. — This I send you

by mail as proof that my observation

is correct — The cones of 1876, that



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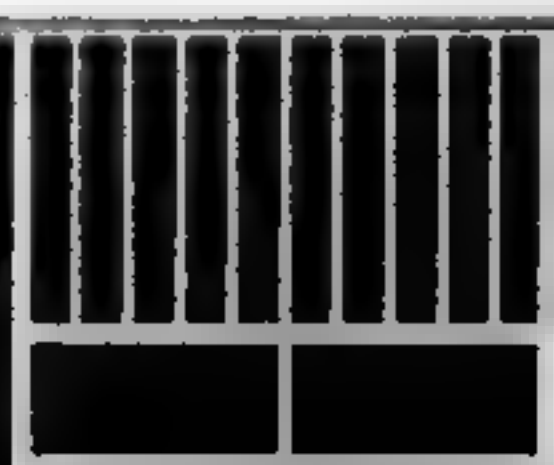
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is those which should ^{ripen} when seen
the autumn are very rare. I only
saw half a dozen, some of them good
for anything. This tree is getting
very rare in Iowa. I wish I
were to see it entirely destroyed there.
Much is cut for timber & I only
saw a very few young plants
coming up. Indeed it bears but
few cones in comparison with the
other species of this neighborhood.
I saw a specimen of ^{*P. rigida*} *P. wedgiana*
with the cones of 50 years ago
still persistent.

Samuel Jones,

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C. S. Sargent.



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Rec Oct 5th
Ans same day

BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. Oct 1 1877.

My dear Dr Engelmann,

I Enclose a list of some of
the plants we want, and
what Mr Sargent can get for
us. I Enclose the list under
cover to you. & I have not heard
from him in reply to the letter
I wrote him about P. metis
seeds. So I fear the direction was
not correct. Some of the things
of course are not within his range.
The Bumelia possibly the
other men can get. I should
like very much to have them.
Hoping very soon some will



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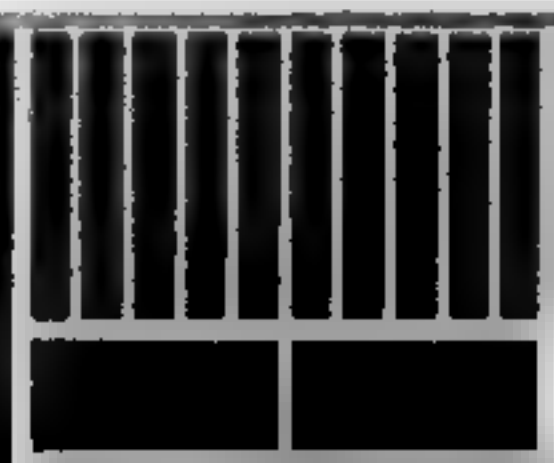
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Specimens of Juncus Scusa.
with young fruit. Should like
to plant some if they are to be
had.

probably grows,

L. S. Sargent.

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Rec Oct 25
An - 26

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. *Oct 22* 1877

My dear Dr. Engelmann,

I send you the following herb.

The common

No 1. *Galium*. *Incarnum*.

No 2. *Althaea* " *Althaea* *Incarnum*

there is nothing but a large

portion of *I. alba*, further examination

showing away with the peculiarities I

thought we found.

No 3. The common Chestnut leaf

of western VT, ^{Eastern} the shores of Lake

Champlain: sent by C. G. Pringle

of Charlotte VT. This *Galium* is the

one mentioned in the manual.

No 4. *Incarnum*. *Althaea*. *Althaea*

sent by me on *Althaea*'s Vineyard



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its northern limit. Only station before as
Ikum in 2. Engler - MISSOURI BOTANICAL GARDEN

Ikun u. J. Englem

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No 5. L. Castanea. This is from the

the new Kentucky Proj. - what I mean

Here two years ago. I saved you

readings at the Altar. Jan. 4th The

neighbourhood again but we have not

If these specimens to you seemed in doubt

Limit the Shewin. The tree is small. with

white under, back. Very like the back of

I. Alba. & the front as you see is very

Small. The book especially is very

distinct from that of the Common Chestnut

~~62k. of the banks of the Hudson. where it~~

is the commonest bark. All apparent

the *br. multicolor*. Except this one tree.

So far as I have observed, the bar

Lamproloma grows there the bark is very

Water of Shamsonie. Dark brown, acid.

very deeply furrowed. almost as deeply as in

the plants of the *Baptisia balsamea*. The

Under the tree along the trail - and early, made

to show us them in the museum. & you had more than 3 foot wings. full of S. C. S.

Steam
but by hooking it to the steam engine from the fire mechanism.
The inventor calls this a
"small steam engine" and it is made of
iron and steel.



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Rec Nov 5th

Ans same day

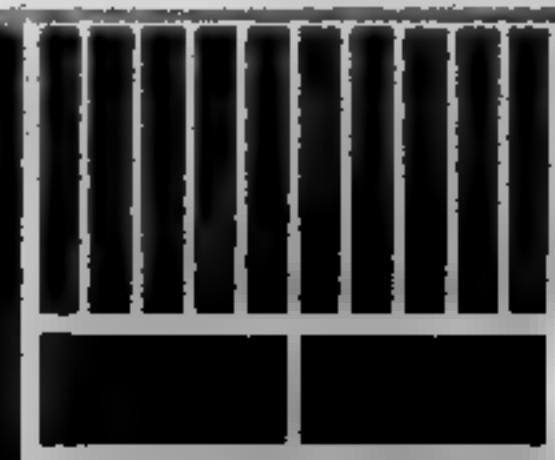
BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. November 1877

Dear Dr Engelmann,

I have to day your letter in regard
to the Schott. Herb. I have sent
the papers to a Mr Durant who
has situated a great flower
College near Mr Hurrewell's
who is forming a natural history
collection of every sort - He has
a large cabinet in which to put
his Herb. but when I was last there
there was little or nothing in it
to put in. He will consider this
a good chance to pick up. I have
advised him to do so. Feeling it to be



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Wm. Linnéat Sep. 9 m.

The Mexican Bromeliad plants would
sell much better in Europe I believe
than here, and a notice of them

either in the Journal of Botany or
one of the Continental Journals might

work them off. Have you tried

Martin's sale of 2. 2?

Faithfully yours,

C. S. Sargent.

Dr George Engelmann.

Pt. Louis.

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Nov Dec 5
Dec — 15

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. Dec 21 1877

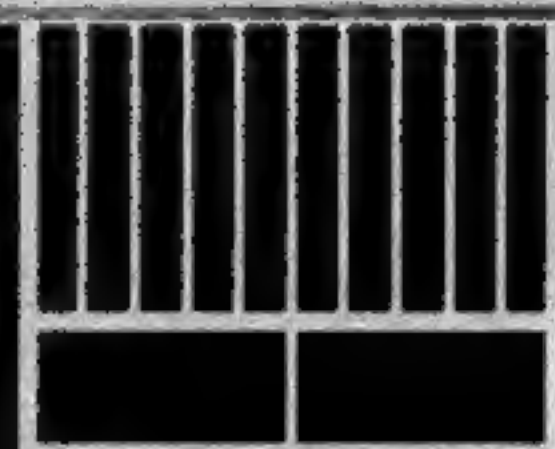
My dear Dr Engelmann,

Many thanks for the fine lot
of Iliz fruit. which has arrived
quite safely.

Will you please me by handing
to Mr Eggert the enclosed. &
let me know when you are
writing again if he is satisfied?

Faithfully yours,

C. S. Sargent.



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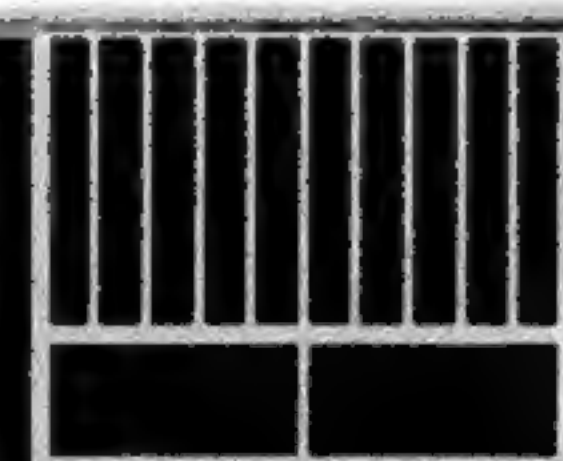
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MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



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MISSOURI
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GARDEN

Rec'd Dec 26th
An Jan 5

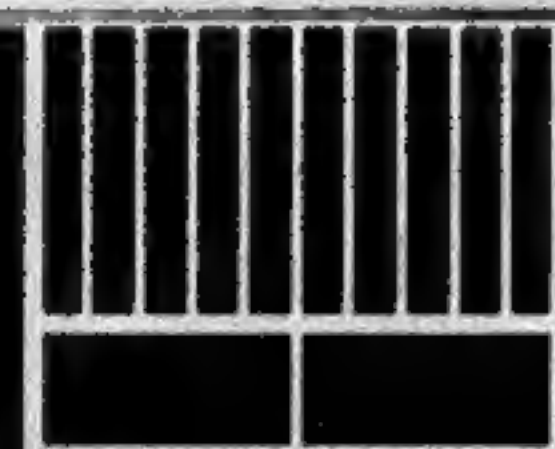
BOTANIC GARDEN,
HARVARD UNIVERSITY,

Cambridge, Mass. Dec 22nd 1877

My dear Dr. Engelmann,

Many thanks for the copies
of your publications just received,
and which I shall read with
the greatest interest.

When I sent Mr. Eggert the \$10
last year I supposed it was
rather more than I was justified
in doing considering what he
had collected. So this year
I sent rather less than I otherwise
should. Now, however, I find an



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other \$5. which I hope will

satisfy him. There will yet

occur anything whatever from

Mr. Litterman. I am for ever

and the Bumelia seed. I shall

be glad of it.

I take this occasion to wish

health & happiness to you & your

for the New Year. which is just

about to begin.

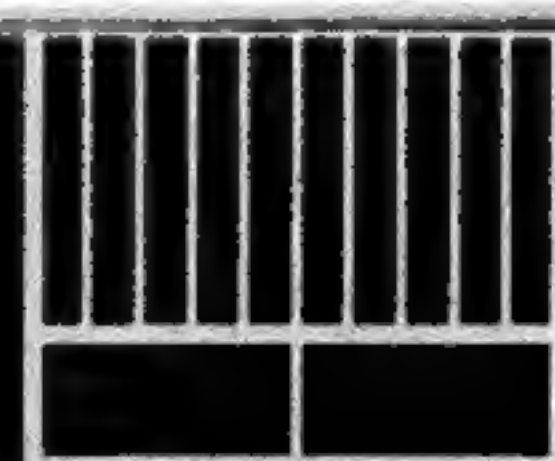
Sincerely yours,

L. J. Sargent.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Dr. George Engelmann.

St. Louis.



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